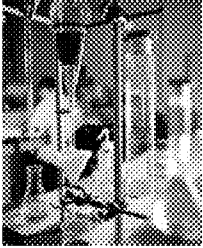
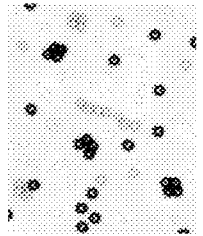



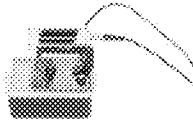


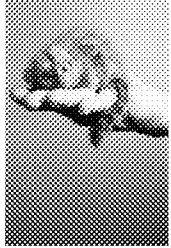
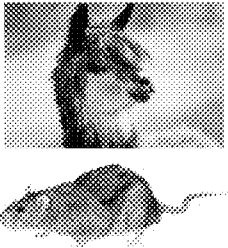
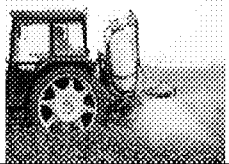
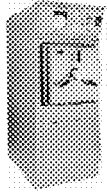
Environmental Health and Safety's Laboratory Safety Trainings

| Title of Training | Description | Required Training if: | Refresher Training is Required | Access to Training | Contact Info: |
|---|---|--|--------------------------------|--|---|
| General Laboratory Safety (Includes Fire Safety, Hazardous Waste and Right to Know)  | This training is an overview of general laboratory safety training to familiarize workers with appropriate practices, controls and equipment for a safe laboratory environment. Personal protective equipment, fire safety, hazardous waste disposal and chemical safety are discussed. | You work in a laboratory that has chemical, biological, radiological material or physical hazards. | Yes, annually | Your first laboratory safety training must be scheduled in a classroom (face-to-face) space. Annually thereafter you may renew on-line by taking the following OWL modules: <ol style="list-style-type: none"> 1. Laboratory Safety 2. Hazardous Waste 3. Right to Know | Classroom training schedules are posted on-line at: www.ehs.umass.edu Online training is available through OWL at: www.ehs.umass.edu |
| Biological Safety  | This training is general biological safety training that discusses biosafety levels, risks, rDNA regulations, containment practices, personal protective equipment, exposure control/response, disinfection and occupational health options. | You work with recombinant DNA, BSL-2 agents/material which includes any human source material such as blood and cell lines in the laboratory work. | Yes, annually | Your first biological safety training must be scheduled in a classroom (face-to-face) setting. Annually thereafter you may renew on-line with the Biosafety Training Module. | Classroom training schedules are posted on-line at: www.ehs.umass.edu Online training is available through OWL at: www.ehs.umass.edu |
| Hazardous Waste Management  | This training includes a review of federal and state requirements for point of generation, collection, and management of satellite accumulation areas and disposal of hazardous waste. | You work in a laboratory that generates chemical, biological, radiological or physical hazards. | Yes, annually | Your first hazardous waste management training is included in the classroom General Laboratory Safety. Annually thereafter you may renew on-line. | Classroom training schedules are posted on-line at: www.ehs.umass.edu Online training is available through OWL at: www.ehs.umass.edu |

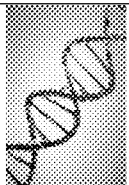
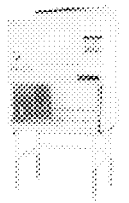

Environmental Health and Safety's Laboratory Safety Trainings

| Title of Training | Description | Required Training if: | Refresher Training is Required | Access to Training | Contact Info: |
|---|--|---|---|--|--|
| Right to Know  | <p>The training includes a summary of the employee's rights under the law (MGL 111F). It also includes information on how to read a Material Safety Data Sheet (MSDS). Finally the most critical aspect of the training is informing the employees of the specific hazards and safe work practices.</p> | <p>You work with chemicals or other hazardous materials.</p> | <p>Yes, annually</p> | <p>Your first Right-to-Know training is included in the General Laboratory safety training. Annually thereafter you may renew on-line.</p> | <p>Classroom training schedules are posted on-line at: www.ehs.umass.edu</p> <p>Online training is available through OWL at: www.ehs.umass.edu</p> |
| Radiation Safety  | <p>Radiation safety training consists of two modules. The first training module covers general radiation safety, Radioactive Material (RAM) use, x-ray analytical equipment use, and laser use. The second part of the training consists of hands on training in the lab under the direction of an experienced RAM user.</p> | <p>You work in a facility that uses radioactive material, x-ray analytical equipment and/or lasers.</p> | <p>Not required at this time.</p> | <p>This training occurs in a classroom setting only.</p> | <p>To register for an upcoming Radiation Safety Training, X-ray analytical equipment use or Laser Safety training email: radtrain@ehs.umass.edu or call 413-545-2682.</p> |
| Radiation Safety Review  | <p>Optional on-line radiation safety review is available to remind you of best practices for using radioactive material.</p> | <p>Not required at this time.</p> | <p>Not required at this time</p> | <p>Practical and classroom sessions must be completed.</p> | <p>Online training is available through OWL at www.ehs.umass.edu</p> |
| Non-Human Primate Biosafety | <p>This training is for those individuals that work with non-human</p> | <p>If you will be working in or have direct contact</p> | <p>Yes, annual Biosafety training is required as work</p> | <p>This training is scheduled directly with an EH&S</p> | <p>Maureen O'Leary (413) 545-2682 mcoleary@ehs.umass.edu</p> |

Environmental Health and Safety's Laboratory Safety Trainings

| Title of Training | Description | Required Training if: | Refresher Training is Required | Access to Training | Contact Info: |
|--|--|---|---|---|--|
|  | primates. Occupational health plans, exposure control/response and appropriate PPE (personal protective equipment) for these facilities are discussed. | with non-human primates or their tissues/blood and/or cell lines. | with these animals and/or tissues are considered BSL-2. | Biosafety representative and takes place in a face-to-face learning environment. | Judy LaDuc (413) 545-7293 jladuc@ehs.umass.edu |
| Animal Biosafety  | This training is for those individuals that work with research animals on campus changing cages/ bedding and for staff and students on the farms working with the livestock. | If you will be working in or have direct contact with animals or their tissues, blood or waste. | Not required at this time. | This training is scheduled directly with an EH&S Biosafety representative and takes place in a face-to-face learning environment. | Maureen O'Leary (413) 545-2682 mcoleary@ehs.umass.edu Judy LaDuc (413) 545-7293 jladuc@ehs.umass.edu |
| Worker Protection Standard  | This training addresses best practices and worker safety for pesticide applicators. | Required for agricultural workers and pesticide handlers | Yes, annually | Classroom training is not available at EH&S, obtain class on-line. | Online training is available through OWL at: www.ehs.umass.edu |
| Autoclave Safety  | This training addresses best practices and worker safety with autoclaves, as well as addressing: 105 CMR 480.000 regarding waste for Massachusetts. | Not required at this time. | Not required at this time. | On-line training is in development and will be available in the near future. Classroom training is available upon request. | Online training will be available through OWL at: www.ehs.umass.edu Classroom training contact: Judy LaDuc (413) 545-7293 jladuc@ehs.umass.edu |
| Recombinant DNA and the NIH Guidelines | This training includes a review of the NIH Guidelines for Research Involving Recombinant DNA Molecules, application of the | If you work with recombinant DNA (rDNA) molecules, plants or animals or plan on doing so. | Yes, annually | On-line training is in development and will be available in the near future. Classroom training is available upon | Online training will be available through OWL at: www.ehs.umass.edu Classroom training contact: Judy LaDuc |

Environmental Health and Safety's Laboratory Safety Trainings

| Title of Training | Description | Required Training if: | Refresher Training is Required | Access to Training | Contact Info: |
|--|--|----------------------------|--------------------------------|--|---|
|  | Guidelines, compliance and general definitions. | | | request | (413) 545-7293 jladuc@ehs.umass.edu Maureen O'Leary (413) 545-2682 mcoleary@ehs.umass.edu |
| Biological Safety Cabinets  | This training addresses best practices and worker safety with Biological Safety Cabinets. | Not required at this time. | Not required at this time. | DVD training on BSC's is available. On-line training is in development . | Contact for DVD: Judy LaDuc (413) 545-7293 jladuc@ehs.umass.edu Online training will be available in the future through OWL at: www.ehs.umass.edu |
| Advanced Chemical Safety  | This training addresses best practices and worker safety above and beyond the general laboratory training level. This training was developed specifically for graduate students, teaching assistants, principle investigators and any students, faculty or staff that work with hazardous chemicals in the laboratory. | Not required at this time. | Not required at this time. | This training is in development in OWL for on-line access and will be available in the near future. | Online training will be available in the future through OWL at: www.ehs.umass.edu Elizabeth Blunt (413) 545-5117 bblunt@ehs.umass.edu Yung Morgan (413) 545-5118 pmorgan@ehs.umass.edu |

Contact the Environmental Health and Safety Office with Questions or to Schedule Training: 413-545-2682